

ABSTRACT

In integrated circuit that yields the advantages of contemporary processing technologies and yet is irreparably damaged by ionizing radiation. An integrated circuit is designed and fabricated with contemporary processing technologies in well-known fashion, except that certain devices, called "safeguard" devices, are added to the integrated circuit. The safeguard devices are fabricated so that they, and not the other devices on the integrated circuit, are susceptible to ionizing radiation. Furthermore, the safeguard devices are coupled to the utile devices on the integrated circuit in such a manner than when the integrated circuit is bombarded with ionizing radiation the safeguard devices short and destroy the functionality of the utile devices, and, therefore, the functionality of the integrated circuit.